

CONTOURED PRISM PRINT SCANNERS

ABSTRACT OF THE DISCLOSURE

The present invention provides contoured prisms for live print scanners. In one embodiment, a print scanner has a rotatable prism and an imaging assembly. The rotatable prism has a curved platen surface for receiving a print pattern. The rotatable prism rotates relative to the imaging assembly during a live scan. The imaging assembly captures line scan images of the print pattern as the rotatable prism rotates. In one embodiment, the rotatable prism is a cylindrical prism and the curved platen surface is cylindrical. In a further embodiment, a print scanner includes an arched prism and an imaging assembly. The arched prism has a curved platen surface for receiving a print pattern.